

File 351:WORLD PATENTS INDEX, LATEST 1981+
DW=9039, UA=9026, UM=9005

File 350:WORLD PATENTS INDEX_1963-1980
EQUIVALENTS THRU DW=9039

Set	Items	Description
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? s pn=jp 61134343

Sl	1	PN=JP 61134343
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? t sl/9

1/9/1 (Item 1 from file: 351)

4198302 WPI Acc No: 86-201691/31

XRAM Acc No: C86-086873

High yield 1,2-dichloropropionic acid (ester) prepn. by
photochlorinating acrylic acid (ester) without using metal

Patent Assignee: (NIPE-) NIPPON PEROXIDE KK

Patent Family:

CC Number	Kind	Date	Week
JP 61134343	A	860621	8631 (Basic)

Priority Data (CC,No,Date): JP 84255728 (841205);

Abstract (Basic): JP61134343

Acrylic acid and/or ester(s) and chlorine are supplied at a ratio
of 1/0.6-1.8 to allow reaction under light irradiation.

Photo-chlorination is carried out at 10-60 deg.C. Reaction is usually
carried out in a solvent, pref. halogenated hydrocarbon(s). 2-5 wt.
times solvent to acrylic acid (or its ester(s)) is used. As
light-source, e.g., sun-light, glow lamp, mercury lamp etc. can be
used.

USE/ADVANTAGE - 1,2-Dichloropropionic acid or its ester(s) can be
prepd. in high yields without using heavy metal catalyst.

In an example, in glass reactor, with a jacket, CCl₄ (500g) was
placed. Under My lamp irradiation, acrylic acid and chlorine were
supplied to allow react at 40 deg.C. Mol. ratio was set 1.02.

1,2-Dichloropropionic acid was obtd. in 82.6% yield. @(4pp Dwg.No.0/0)@

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